



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

October 23, 2012

EUGENE A. CONTI, JR.
SECRETARY

U. S. Army Corps of Engineers
Regulatory Field Office
151 Patton Avenue, Room 208
Asheville, NC 28801

ATTN: Ms. Lori Beckwith
NCDOT Coordinator

Subject: **Revised Application for Section 404 Nationwide Permit 14 and 401 Water Quality Certification** for the proposed widening of SR 1184 (Howell Mill Rd) from US 276 to US 23 Bus. in Haywood County, Federal Aid Project No. STP-1184(1); Division 14; TIP No. U-4412; Debit \$570.00 WBS 35022.1.1

Reference: Permit Application dated August 23, 2012

Dear Madam:

Since the submittal of the August 23, 2012 permit application, it was noted that the removal of the bridge along existing Howell Mill Road over Richland Creek could not be accommodated without the use of a temporary work pad. This temporary work pad will result in an additional 0.01 acre of temporary impact to surface waters. This increases the total amount of temporary impact for the project from 0.02 acre to 0.03 acre.

This site has been designated as site IV on the attached revised permit drawings. A revised impact summary table and PCN are included in this application.

Site III has also been revised to further reduce impacts to the UT to Raccoon Creek. This change eliminates the temporary stream impact beyond the current right of way. Revised permit drawings (sheets 11 & 12) are included in this revision. As this reduction is <0.01, the new value still rounds to 0.01 so no change appears on the impact summary table or PCN.

A copy of this revised permit application and its distribution list will be posted on the NCDOT Website at: <http://www.ncdot.org/doh/preconstruct/pe/neu/permit.html>. If you have any questions or need additional information, please contact Michael Turchy at maturchy@ncdot.gov.

Sincerely,

for E. J. Fush

Gregory J. Thorpe, Ph.D., Manager
Project Development and Environmental Analysis Unit

cc: NCDOT Permit Application Standard Distribution List

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
PROJECT DEVELOPMENT AND ENVIRONMENTAL ANALYSIS
1598 MAIL SERVICE CENTER
RALEIGH NC 27699-1598

TELEPHONE: 919-707-6100
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WEBSITE: WWW.NCDOT.ORG

LOCATION:
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610-4328



Office Use Only:
 Corps action ID no. _____
 DWQ project no. _____
 Form Version 1.3 Dec 10 2008

Pre-Construction Notification (PCN) Form

A. Applicant Information

1. Processing

| | | |
|---|---|--|
| 1a. Type(s) of approval sought from the Corps: | <input checked="" type="checkbox"/> Section 404 Permit | <input type="checkbox"/> Section 10 Permit |
| 1b. Specify Nationwide Permit (NWP) number: 14 or General Permit (GP) number: | | |
| 1c. Has the NWP or GP number been verified by the Corps? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 1d. Type(s) of approval sought from the DWQ (check all that apply): | | |
| <input checked="" type="checkbox"/> 401 Water Quality Certification – Regular <input type="checkbox"/> Non-404 Jurisdictional General Permit <input type="checkbox"/> 401 Water Quality Certification – Express <input type="checkbox"/> Riparian Buffer Authorization | | |
| 1e. Is this notification solely for the record because written approval is not required? | For the record only for DWQ 401 Certification: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | For the record only for Corps Permit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 1f. Is payment into a mitigation bank or in-lieu fee program proposed for mitigation of impacts? If so, attach the acceptance letter from mitigation bank or in-lieu fee program. | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 1g. Is the project located in any of NC's twenty coastal counties. If yes, answer 1h below. | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 1h. Is the project located within a NC DCM Area of Environmental Concern (AEC)? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

2. Project Information

| | |
|---|---|
| 2a. Name of project: | Widening of Howell Mill Road (SR 1184) from US-276 to US-23 Business. |
| 2b. County: | Haywood |
| 2c. Nearest municipality / town: | Waynesville |
| 2d. Subdivision name: | <i>not applicable</i> |
| 2e. NCDOT only, T.I.P. or state project no: | U-4412 |

3. Owner Information

| | |
|--|---|
| 3a. Name(s) on Recorded Deed: | North Carolina Department of Transportation |
| 3b. Deed Book and Page No. | <i>not applicable</i> |
| 3c. Responsible Party (for LLC if applicable): | <i>not applicable</i> |
| 3d. Street address: | 1598 Mail Service Center |
| 3e. City, state, zip: | Raleigh, NC 27699-1598 |
| 3f. Telephone no.: | (919) 707-6124 |
| 3g. Fax no.: | (919) 212-5785 |
| 3h. Email address: | jwharrod@ncdot.gov |

| | |
|---|---|
| 4. Applicant Information (if different from owner) | |
| 4a. Applicant is: | <input type="checkbox"/> Agent <input type="checkbox"/> Other, specify: |
| 4b. Name: | <i>not applicable</i> |
| 4c. Business name (if applicable): | |
| 4d. Street address: | |
| 4e. City, state, zip: | |
| 4f. Telephone no.: | |
| 4g. Fax no.: | |
| 4h. Email address: | |
| 5. Agent/Consultant Information (if applicable) | |
| 5a. Name: | <i>not applicable</i> |
| 5b. Business name (if applicable): | |
| 5c. Street address: | |
| 5d. City, state, zip: | |
| 5e. Telephone no.: | |
| 5f. Fax no.: | |
| 5g. Email address: | |

| B. Project Information and Prior Project History | |
|---|--|
| 1. Property Identification | |
| 1a. Property identification no. (tax PIN or parcel ID): | <i>not applicable</i> |
| 1b. Site coordinates (in decimal degrees): | Latitude: 35.506483 (DD.DDDDDD) Longitude: - 82.97905 (-DD.DDDDDD) |
| 1c. Property size: | 15.80 acres |
| 2. Surface Waters | |
| 2a. Name of nearest body of water (stream, river, etc.) to proposed project: | Richland Creek and Raccoon Creek |
| 2b. Water Quality Classification of nearest receiving water: | B |
| 2c. River basin: | French Broad |
| 3. Project Description | |
| 3a. Describe the existing conditions on the site and the general land use in the vicinity of the project at the time of this application: Residential and commercial development along roads; semi-forested along portions of some streams | |
| 3b. List the total estimated acreage of all existing wetlands on the property: 0.6 | |
| 3c. List the total estimated linear feet of all existing streams (intermittent and perennial) on the property: 2,679 linear feet | |
| 3d. Explain the purpose of the proposed project: To correct roadway deficiencies by upgrading the roadway to meet current design standards and to construct a railroad grade separation with an improved alignment to eliminate train-car conflicts (2008 FONSI). | |
| 3e. Describe the overall project in detail, including the type of equipment to be used: The proposed project consists of upgrading a 1.5-mile, two-lane roadway and constructing a railroad grade-separation over the Norfolk-Southern Railway on SR 1184 (Howell Mill Road) from US 276 (Russ Avenue) to US 23 Business (Asheville Road). | |
| 4. Jurisdictional Determinations | |
| 4a. Have jurisdictional wetland or stream determinations by the Corps or State been requested or obtained for this property / project (including all prior phases) in the past? Comments: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Unknown |
| 4b. If the Corps made the jurisdictional determination, what type of determination was made? | <input type="checkbox"/> Preliminary <input checked="" type="checkbox"/> Final |
| 4c. If yes, who delineated the jurisdictional areas? Name (if known): Kris Dramby | Agency/Consultant Company: NCDOT Other: |
| 4d. If yes, list the dates of the Corps jurisdictional determinations or State determinations and attach documentation. February 6, 2009 | |
| 5. Project History | |
| 5a. Have permits or certifications been requested or obtained for this project (including all prior phases) in the past? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown |
| 5b. If yes, explain in detail according to "help file" instructions. | |

| | |
|--------------------------------|---|
| 6. Future Project Plans | |
| 6a. Is this a phased project? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 6b. If yes, explain. | |

| C. Proposed Impacts Inventory | | | | | | |
|---|------------------------------|---|---|---|------------------------------------|------------------------------------|
| 1. Impacts Summary | | | | | | |
| 1a. Which sections were completed below for your project (check all that apply): | | | | | | |
| <input checked="" type="checkbox"/> Wetlands | | <input checked="" type="checkbox"/> Streams - tributaries | | <input type="checkbox"/> Buffers | | |
| <input type="checkbox"/> Open Waters | | <input type="checkbox"/> Pond Construction | | | | |
| 2. Wetland Impacts | | | | | | |
| If there are wetland impacts proposed on the site, then complete this question for each wetland area impacted. | | | | | | |
| 2a. Wetland impact number – Permanent (P) or Temporary (T) | 2b. Type of impact | 2c. Type of wetland (if known) | 2d. Forested | 2e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other) | 2f. Area of impact (acres) | |
| Site 1 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | Fill | PSS1A | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 0.01 | |
| Site 2 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | Fill | PSS1A | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 0.02 | |
| Site 3 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | Fill | PEM1A | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 0.04 | |
| 2g. Total wetland impacts | | | | | 0.07 Permanent | |
| 2h. Comments: There will be <0.01 acre of hand clearing in the wetland at site 2 and 0.02 acre of hand clearing in the wetland at site 3. There will be <0.01 ac of Temporary Fill in Wetlands in the Hand Clearing areas for Erosion Control measures. | | | | | | |
| 3. Stream Impacts | | | | | | |
| If there are perennial or intermittent stream impacts (including temporary impacts) proposed on the site, then complete this question for all stream sites impacted. | | | | | | |
| 3a. Stream impact number - Permanent (P) or Temporary (T) | 3b. Type of impact | 3c. Stream name | 3d. Perennial (PER) or intermittent (INT)? | 3e. Type of jurisdiction (Corps - 404, 10 DWQ – non-404, other) | 3f. Average stream width (feet) | 3g. Impact length (linear feet) |
| Site 1 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | RCBC | UT-1 to Richland Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 4.5 | 130 ft |
| Site 1 <input type="checkbox"/> P <input checked="" type="checkbox"/> T | RCBC | UT-1 to Richland Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 4.5 | 0.01 ac |
| Site 2 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | RCBC | UT-2 to Richland Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 2.0 | 90 ft |
| Site 2 <input type="checkbox"/> P <input checked="" type="checkbox"/> T | RCBC | UT-2 to Richland Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 2.0 | <0.01 ac |
| Site 2 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | Bank Stabilization (rip rap) | UT-2 to Richland Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 2.0 | 17 ft |
| Site 3 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | RCBC | Raccoon Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 17.0 | 19 ft |
| Site 3 <input checked="" type="checkbox"/> P <input type="checkbox"/> T | Bank Stabilization (rip rap) | Raccoon Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 17.0 | 7 ft |
| Site 3 <input type="checkbox"/> P <input checked="" type="checkbox"/> T | RCBC | Raccoon Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 17.0 | 0.10 ac |
| Site 4 <input type="checkbox"/> P <input checked="" type="checkbox"/> T | Workpad | Richland Creek | <input checked="" type="checkbox"/> PER <input type="checkbox"/> INT | <input checked="" type="checkbox"/> Corps <input type="checkbox"/> DWQ | 35.0 | 0.01 ac |
| 3h. Total stream and tributary impacts | | | | | 263 ft Perm 0.03 ac Temp | |

3i. Comments:

4. Open Water Impacts

If there are proposed impacts to lakes, ponds, estuaries, tributaries, sounds, the Atlantic Ocean, or any other open water of the U.S. then individually list all open water impacts below.

| 4a. Open water impact number – Permanent (P) or Temporary (T) | 4b. Name of waterbody (if applicable) | 4c. Type of impact | 4d. Waterbody type | 4e. Area of impact (acres) |
|---|--|-----------------------|-----------------------|-------------------------------|
| O1 <input type="checkbox"/> P <input type="checkbox"/> T | | | | |
| O2 <input type="checkbox"/> P <input type="checkbox"/> T | | | | |
| O3 <input type="checkbox"/> P <input type="checkbox"/> T | | | | |
| O4 <input type="checkbox"/> P <input type="checkbox"/> T | | | | |
| 4f. Total open water impacts | | | | X Permanent X Temporary |

4g. Comments:

5. Pond or Lake Construction

If pond or lake construction proposed, then complete the chart below.

| 5a. Pond ID number | 5b. Proposed use or purpose of pond | 5c. Wetland Impacts (acres) | | | 5d. Stream Impacts (feet) | | | 5e. Upland (acres) |
|-----------------------|--|--------------------------------|--------|-----------|------------------------------|--------|-----------|-----------------------|
| | | Flooded | Filled | Excavated | Flooded | Filled | Excavated | Flooded |
| P1 | | | | | | | | |
| P2 | | | | | | | | |
| 5f. Total | | | | | | | | |

5g. Comments:

| | |
|---|---|
| 5h. Is a dam high hazard permit required? | <input type="checkbox"/> Yes <input type="checkbox"/> No If yes, permit ID no: |
| 5i. Expected pond surface area (acres): | |
| 5j. Size of pond watershed (acres): | |
| 5k. Method of construction: | |

6. Buffer Impacts (for DWQ)

If project will impact a protected riparian buffer, then complete the chart below. If yes, then individually list all buffer impacts below. If any impacts require mitigation, then you **MUST** fill out Section D of this form.

| | | | | | |
|--|--------------------------|--------------------|--|--|------------------------------------|
| 6a. Project is in which protected basin? | | | <input type="checkbox"/> Neuse <input type="checkbox"/> Catawba | <input type="checkbox"/> Tar-Pamlico <input type="checkbox"/> Randleman | <input type="checkbox"/> Other: |
| 6b. Buffer impact number – Permanent (P) or Temporary (T) | 6c. Reason for impact | 6d. Stream name | 6e. Buffer mitigation required? | 6f. Zone 1 impact (square feet) | 6g. Zone 2 impact (square feet) |
| B1 <input type="checkbox"/> P <input type="checkbox"/> T | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| B2 <input type="checkbox"/> P <input type="checkbox"/> T | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| B3 <input type="checkbox"/> P <input type="checkbox"/> T | | | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| 6h. Total buffer impacts | | | | | |
| 6i. Comments: | | | | | |

| | | |
|---|---|----------|
| D. Impact Justification and Mitigation | | |
| 1. Avoidance and Minimization | | |
| 1a. Specifically describe measures taken to avoid or minimize the proposed impacts in designing project. The proposed bridge over Richland Creek will have a deck drain system, eliminating direct discharge into the stream, and the storm drainage is being discharged as far away from the stream as practicable. The bridge replacement at Richland Creek will span the feature. The inverts of the new box culverts will be buried one foot below the stream bed and will maintain normal stream flow and channel characteristics. Storm drainage is being discharged as far away from the streams and conveyed as much through grass lined ditches as practicable. Erosion Control measures will adhere to Design Standards in Sensitive Watersheds. | | |
| 1b. Specifically describe measures taken to avoid or minimize the proposed impacts through construction techniques. NCDOT Best Management Practices will be implemented during all phases of construction as well as Design Standards in Sensitive Watersheds. Rip rap for bank stabilization was kept to a minimum and only used to protect the culverts. A trout moratorium will prohibit in-stream work and land disturbance within the 25-foot trout buffer from October 15 to April 15. | | |
| 2. Compensatory Mitigation for Impacts to Waters of the U.S. or Waters of the State | | |
| 2a. Does the project require Compensatory Mitigation for impacts to Waters of the U.S. or Waters of the State? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, explain: | |
| 2b. If yes, mitigation is required by (check all that apply): | <input type="checkbox"/> DWQ <input checked="" type="checkbox"/> Corps | |
| 2c. If yes, which mitigation option will be used for this project? | <input type="checkbox"/> Mitigation bank <input checked="" type="checkbox"/> Payment to in-lieu fee program <input type="checkbox"/> Permittee Responsible Mitigation | |
| 3. Complete if Using a Mitigation Bank | | |
| 3a. Name of Mitigation Bank: not applicable | | |
| 3b. Credits Purchased (attach receipt and letter) | Type | Quantity |
| 3c. Comments: | | |
| 4. Complete if Making a Payment to In-lieu Fee Program | | |
| 4a. Approval letter from in-lieu fee program is attached. | <input checked="" type="checkbox"/> Yes | |
| 4b. Stream mitigation requested: | 239 linear feet | |
| 4c. If using stream mitigation, stream temperature: | <input type="checkbox"/> warm <input type="checkbox"/> cool <input checked="" type="checkbox"/> cold | |
| 4d. Buffer mitigation requested (DWQ only): | 0 square feet | |
| 4e. Riparian wetland mitigation requested: | 0.07 acre | |
| 4f. Non-riparian wetland mitigation requested: | 0 acres | |
| 4g. Coastal (tidal) wetland mitigation requested: | 0 acres | |
| 4h. Comments: There are a total of 263 linear feet of permanent impacts, 24 linear feet of which are due to bank stabilization, thus EEP Mitigation Request is for 239 linear feet. | | |
| 5. Complete if Using a Permittee Responsible Mitigation Plan | | |
| 5a. If using a permittee responsible mitigation plan, provide a description of the proposed mitigation plan. | | |

6. Buffer Mitigation (State Regulated Riparian Buffer Rules) – required by DWQ

6a. Will the project result in an impact within a protected riparian buffer that requires buffer mitigation?

Yes No

6b. If yes, then identify the square feet of impact to each zone of the riparian buffer that requires mitigation. Calculate the amount of mitigation required.

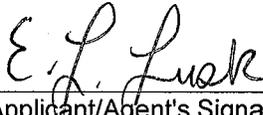
| Zone | 6c. Reason for impact | 6d. Total impact (square feet) | Multiplier | 6e. Required mitigation (square feet) |
|--|--------------------------|--------------------------------------|-------------------|---|
| Zone 1 | | | 3 (2 for Catawba) | |
| Zone 2 | | | 1.5 | |
| 6f. Total buffer mitigation required: | | | | |

6g. If buffer mitigation is required, discuss what type of mitigation is proposed (e.g., payment to private mitigation bank, permittee responsible riparian buffer restoration, payment into an approved in-lieu fee fund).

6h. Comments:

| E. Stormwater Management and Diffuse Flow Plan (required by DWQ) | |
|--|---|
| 1. Diffuse Flow Plan | |
| 1a. Does the project include or is it adjacent to protected riparian buffers identified within one of the NC Riparian Buffer Protection Rules? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 1b. If yes, then is a diffuse flow plan included? If not, explain why. Comments: | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Stormwater Management Plan | |
| 2a. What is the overall percent imperviousness of this project? | N/A |
| 2b. Does this project require a Stormwater Management Plan? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2c. If this project DOES NOT require a Stormwater Management Plan, explain why: | |
| 2d. If this project DOES require a Stormwater Management Plan, then provide a brief, narrative description of the plan: See attached permit drawings. | |
| 2e. Who will be responsible for the review of the Stormwater Management Plan? | <input type="checkbox"/> Certified Local Government <input type="checkbox"/> DWQ Stormwater Program <input checked="" type="checkbox"/> DWQ 401 Unit |
| 3. Certified Local Government Stormwater Review | |
| 3a. In which local government's jurisdiction is this project? | not applicable |
| 3b. Which of the following locally-implemented stormwater management programs apply (check all that apply): | <input type="checkbox"/> Phase II <input type="checkbox"/> NSW <input type="checkbox"/> USMP <input type="checkbox"/> Water Supply Watershed <input type="checkbox"/> Other: |
| 3c. Has the approved Stormwater Management Plan with proof of approval been attached? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 4. DWQ Stormwater Program Review | |
| 4a. Which of the following state-implemented stormwater management programs apply (check all that apply): | <input type="checkbox"/> Coastal counties <input type="checkbox"/> HQW <input type="checkbox"/> ORW <input type="checkbox"/> Session Law 2006-246 <input type="checkbox"/> Other: |
| 4b. Has the approved Stormwater Management Plan with proof of approval been attached? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| 5. DWQ 401 Unit Stormwater Review | |
| 5a. Does the Stormwater Management Plan meet the appropriate requirements? | <input type="checkbox"/> Yes <input type="checkbox"/> No N/A |
| 5b. Have all of the 401 Unit submittal requirements been met? | <input type="checkbox"/> Yes <input type="checkbox"/> No N/A |

| | |
|--|--|
| F. Supplementary Information | |
| 1. Environmental Documentation (DWQ Requirement) | |
| 1a. Does the project involve an expenditure of public (federal/state/local) funds or the use of public (federal/state) land? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 1b. If you answered "yes" to the above, does the project require preparation of an environmental document pursuant to the requirements of the National or State (North Carolina) Environmental Policy Act (NEPA/SEPA)? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 1c. If you answered "yes" to the above, has the document review been finalized by the State Clearing House? (If so, attach a copy of the NEPA or SEPA final approval letter.) Comments: | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| 2. Violations (DWQ Requirement) | |
| 2a. Is the site in violation of DWQ Wetland Rules (15A NCAC 2H .0500), Isolated Wetland Rules (15A NCAC 2H .1300), DWQ Surface Water or Wetland Standards, or Riparian Buffer Rules (15A NCAC 2B .0200)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 2b. Is this an after-the-fact permit application? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 2c. If you answered "yes" to one or both of the above questions, provide an explanation of the violation(s): | |
| 3. Cumulative Impacts (DWQ Requirement) | |
| 3a. Will this project (based on past and reasonably anticipated future impacts) result in additional development, which could impact nearby downstream water quality? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| 3b. If you answered "yes" to the above, submit a qualitative or quantitative cumulative impact analysis in accordance with the most recent DWQ policy. If you answered "no," provide a short narrative description. A qualitative Indirect and Cumulative Effects analysis was completed in January 2007 for the project and presented in the Environmental Assessment. This analysis concluded that the project will not induce much growth, alter land uses, or affect overall water quality. Haywood County has ordinances in place to help protect and manage growth, prevent flood damage, and preserve farmland. Local officials are committed to maintaining existing land uses in this area. Any development that does take place in the future will most likely involve redevelopment and will not include a change in land use. These ordinances should adequately protect water resources from land clearing activities associated with induced development. For these reasons, a quantitative analysis is not required. Therefore, a detailed indirect or cumulative effects study will not be necessary. | |
| 4. Sewage Disposal (DWQ Requirement) | |
| 4a. Clearly detail the ultimate treatment methods and disposition (non-discharge or discharge) of wastewater generated from the proposed project, or available capacity of the subject facility. not applicable | |

| | | |
|--|---|--|
| 5. Endangered Species and Designated Critical Habitat (Corps Requirement) | | |
| 5a. Will this project occur in or near an area with federally protected species or habitat? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 5b. Have you checked with the USFWS concerning Endangered Species Act impacts? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 5c. If yes, indicate the USFWS Field Office you have contacted. | <input type="checkbox"/> Raleigh <input type="checkbox"/> Asheville | |
| 5d. What data sources did you use to determine whether your site would impact Endangered Species or Designated Critical Habitat? USFWS web page of T/E species for Haywood County lists nine species and was last updated on March 21, 2011. Habitat is present within the study area for the following species: Appalachian elktoe and Small whorled pogonia, these species all have a biological conclusion of No Effect; All remaining species are No Effect (No Habitat); NHP database of element occurrences | | |
| 6. Essential Fish Habitat (Corps Requirement) | | |
| 6a. Will this project occur in or near an area designated as essential fish habitat? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| 6b. What data sources did you use to determine whether your site would impact Essential Fish Habitat? NMFS County Index | | |
| 7. Historic or Prehistoric Cultural Resources (Corps Requirement) | | |
| 7a. Will this project occur in or near an area that the state, federal or tribal governments have designated as having historic or cultural preservation status (e.g., National Historic Trust designation or properties significant in North Carolina history and archaeology)? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 7b. What data sources did you use to determine whether your site would impact historic or archeological resources? August 2008 FONSI - as stated in the EA, the project will have an affect on one property that is eligible for the National Register of Historic Places. The preferred alternative requires right of way along the southern boundary of the Liner-Leatherwood Farm. However, it will have No Adverse Effect on this property since no landscape features will be taken or damaged by the right of way, construction easements, or road width. An archaeological study was conducted by NCDOT in March 2005 for this project. No cultural remains were found during this study. Archaeological surveys were also completed for an area of potential effect surrounding the Waynesville Recreation Center and no cultural resources were found. | | |
| 8. Flood Zone Designation (Corps Requirement) | | |
| 8a. Will this project occur in a FEMA-designated 100-year floodplain? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| 8b. If yes, explain how project meets FEMA requirements: NCDOT Hydraulics Unit coordination with FEMA. | | |
| 8c. What source(s) did you use to make the floodplain determination? FEMA Maps | | |
| Dr. Gregory J. Thorpe, Ph D Applicant/Agent's Printed Name |  Applicant/Agent's Signature (Agent's signature is valid only if an authorization letter from the applicant is provided.) | 10.23.12 Date |

See Sheet 1A For Index of Sheets
See Sheet 1B For Symbology Sheet
See Sheets 1C thru 1D For Control Sheets

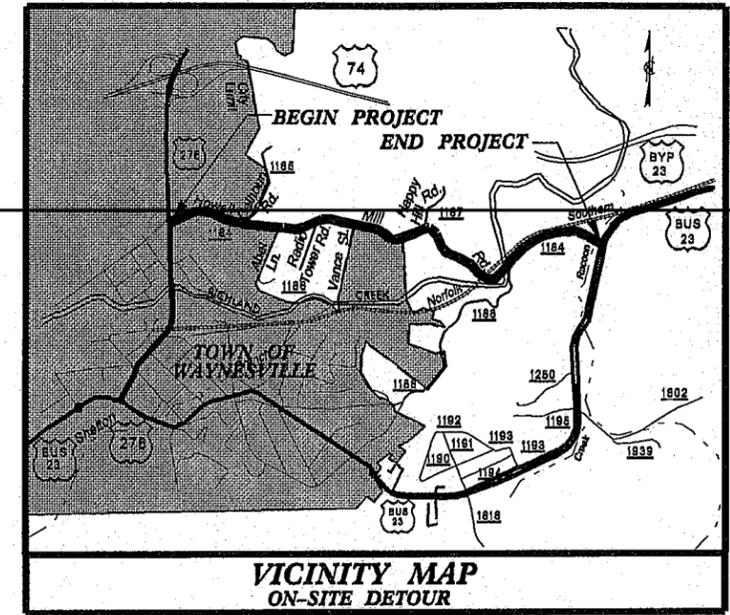
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

| | | | |
|-----------------|-----------------------------|-------------|--------------|
| STATE | STATE PROJECT REFERENCE NO. | SHEET NO. | TOTAL SHEETS |
| N.C. | U-4412 | 1 | |
| STATE PROJ. NO. | F.A. PROJ. NO. | DESCRIPTION | |
| 35022.1.1 | STP-1184(1) | P.E. | |
| 35022.2.1 | STP-1184(1) | RW | |
| | | | |
| | | | |
| | | | |

HAYWOOD COUNTY

LOCATION: WAYNESVILLE - SR 1184 (HOWELL MILL ROAD)
FROM US 276 (RUSS AVENUE) TO
US 23 BUSINESS (ASHEVILLE HWY)
TYPE OF WORK: GRADING, DRAINAGE, PAVING,
CULVERT AND STRUCTURE

Revised Permit Drawings
October 2012
Sheet 1 of 22

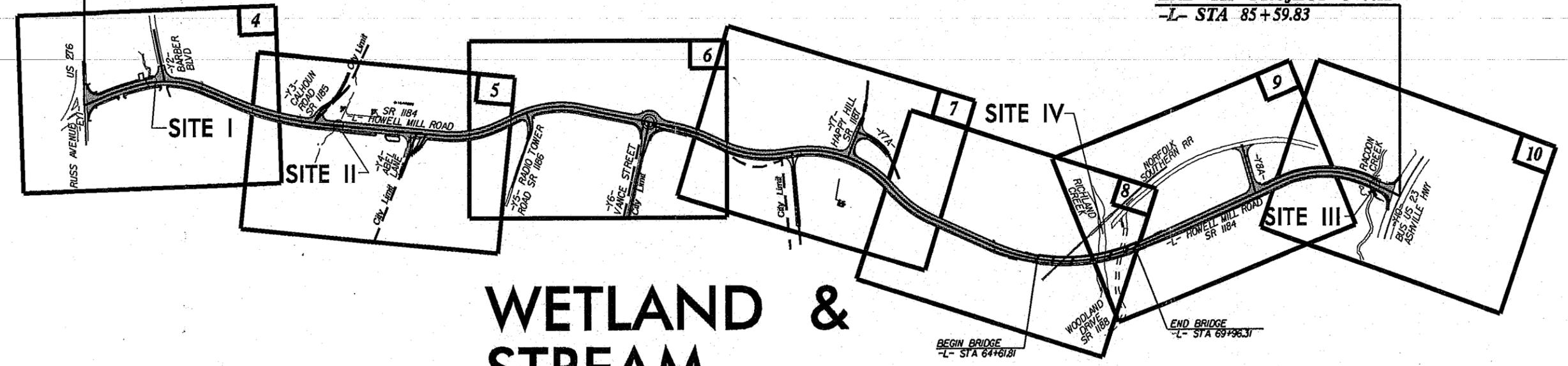


TIP PROJECT: U-4412



BEGIN TIP PROJECT U-4412
-L- STA 10+00.00

END TIP PROJECT U-4412
-L- STA 85+59.83

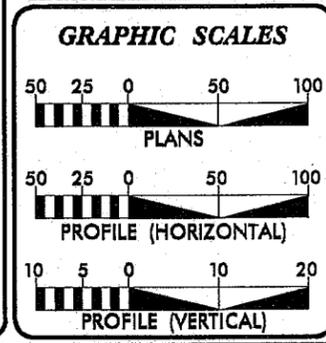


WETLAND & STREAM IMPACTS

- NOTE:**
- CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD III.
 - A PORTION OF THE PROJECT IS WITHIN THE MUNICIPAL BOUNDARIES OF THE TOWN OF WAYNESVILLE.

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

CONTRACT:



DESIGN DATA

| | |
|----------------|-----------------|
| ADT 2012 = | 6334 |
| ADT 2032 = | 9297 |
| DHV = | 10 % |
| D = | 55 % |
| T = | 5 % * |
| V = | 40 MPH |
| FUNC. CLASS. = | URBAN COLLECTOR |
| * TTST 2% | DUAL 3% |

PROJECT LENGTH

| | | |
|--|---|----------|
| LENGTH OF ROADWAY TIP PROJECT U-4412 | = | 1.331 MI |
| LENGTH OF STRUCTURE TIP PROJECT U-4412 | = | 0.101 MI |
| TOTAL LENGTH OF TIP PROJECT U-4412 | = | 1.432 MI |

Prepared In the Office of:
DIVISION OF HIGHWAYS
1000 Birch Ridge Dr., Raleigh NC, 27610

| | |
|------------------------------|--|
| 2006 STANDARD SPECIFICATIONS | |
| RIGHT OF WAY DATE: | GARY LOVERING, PE PROJECT ENGINEER |
| OCTOBER 13, 2010 | |
| LETTING DATE: | ANTHONY C. WEST PROJECT DESIGN ENGINEER |
| JANUARY 18, 2013 | |

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

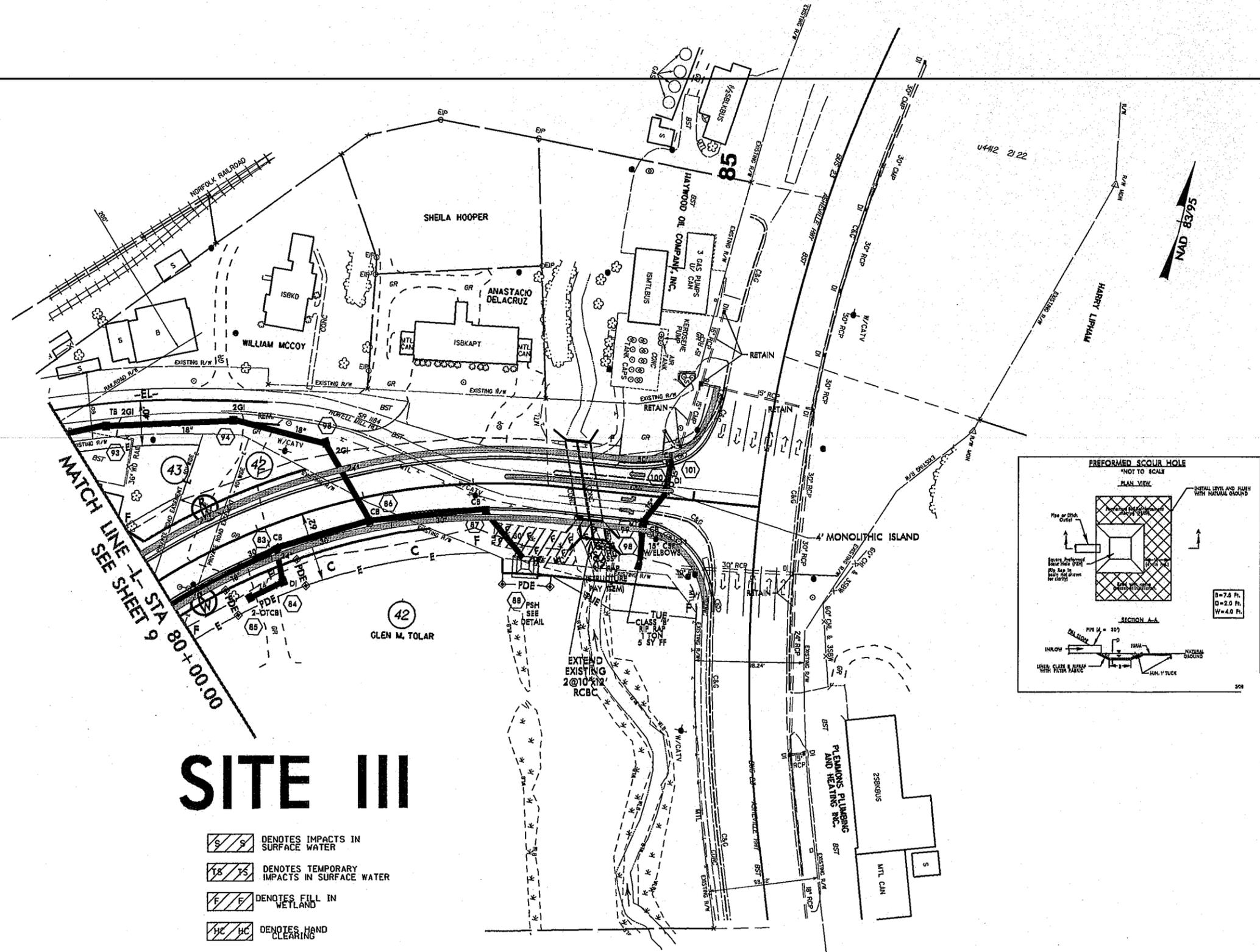
SIGNATURE: _____ P.E.

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

STATE HIGHWAY DESIGN ENGINEER P.E.

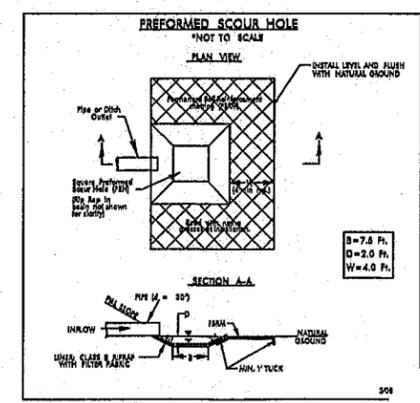
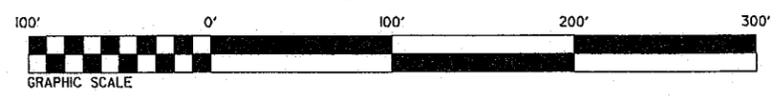
SYSTEMS
DRAWING
SERIALS

Revised Permit Drawings
October 2012
Sheet 11 of 22



SITE III

- DENOTES IMPACTS IN SURFACE WATER
- DENOTES TEMPORARY IMPACTS IN SURFACE WATER
- DENOTES FILL IN WETLAND
- DENOTES HAND CLEARING



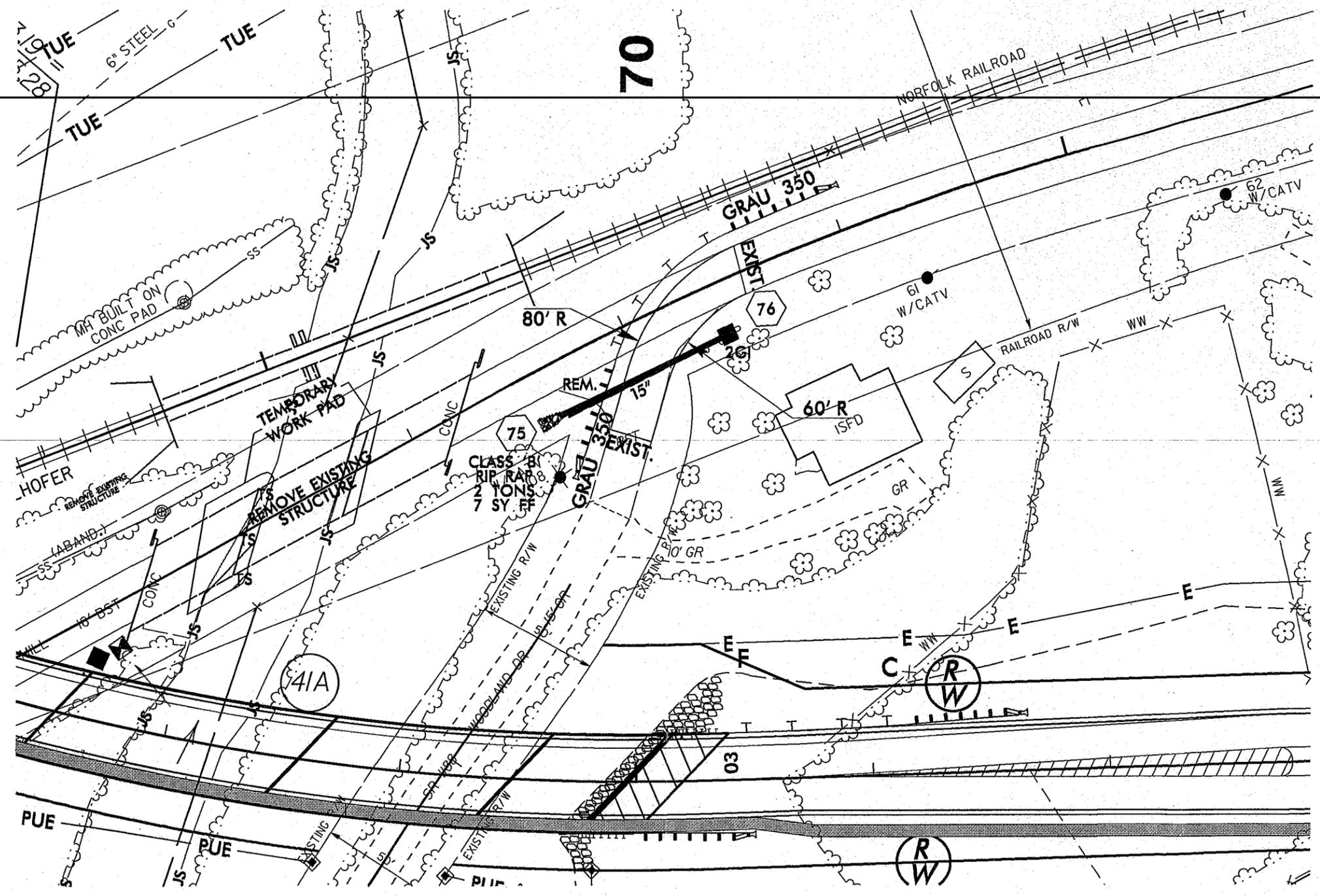
| SR 1184 (HOWELL MILL ROAD) AT US 23 (ASHEVILLE HWY) | |
|---|-------|
| 2012 ADT | 20800 |
| 2032 ADT | 32800 |
| US 23 | |
| SR 1184 | |
| 6334 | 1900 |
| 9297 | 2567 |
| 18266 28636 | |

FOR -L- PROFILE, SEE SHEET 14 and 15
FOR CULVERT PLANS, SEE C- TO C-

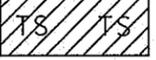
REVISIONS

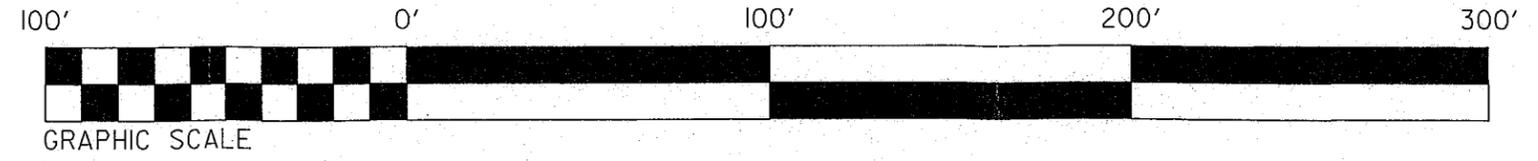
8/17/9

SYSTEMS DESIGN



SITE IV

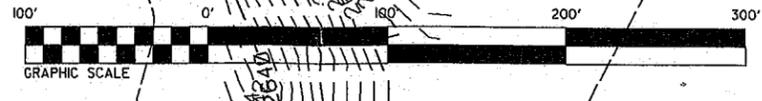
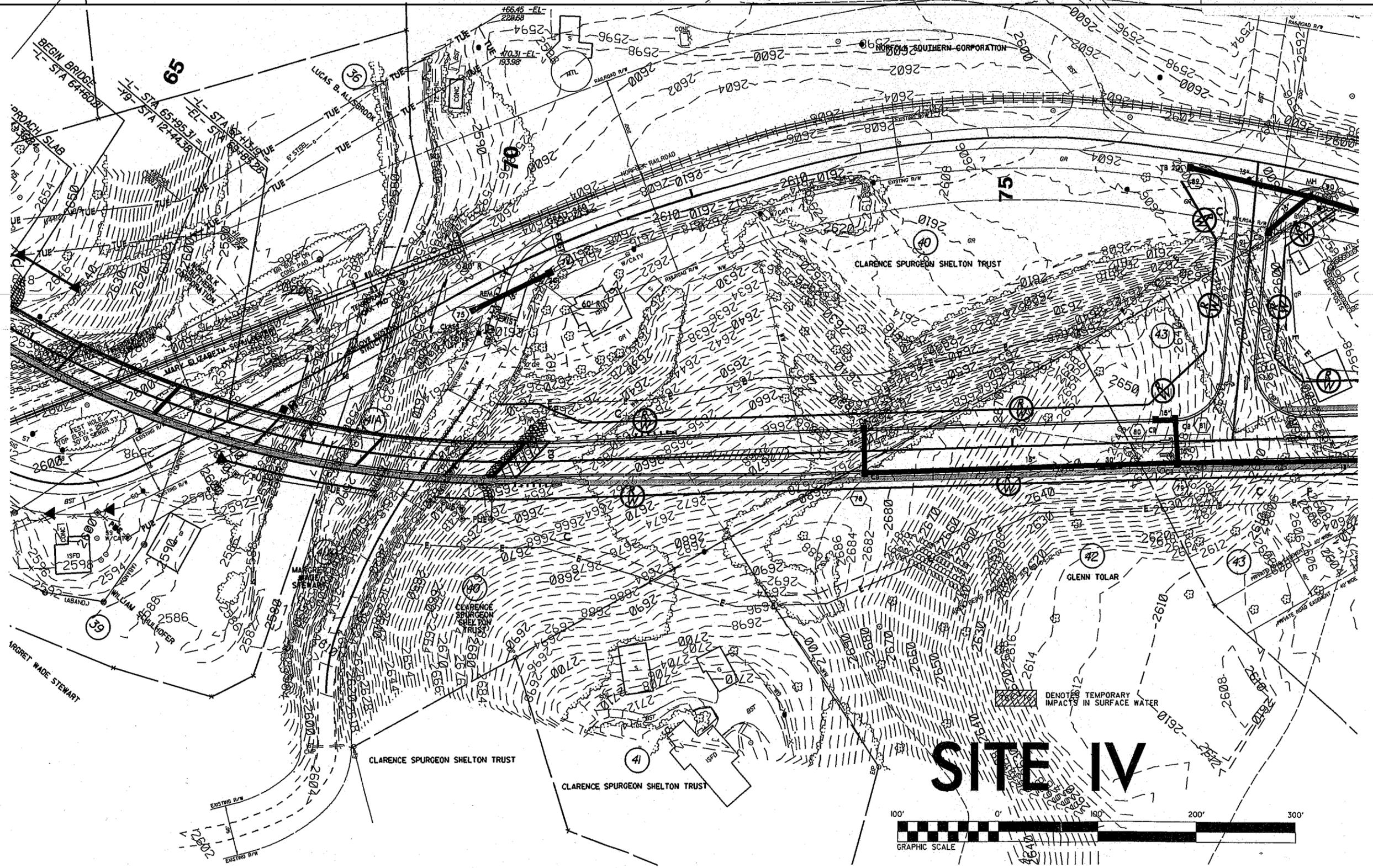
 DENOTES TEMPORARY IMPACTS IN SURFACE WATER



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Revised Permit Drawings
 October 2012
 Sheet 15C of 22

43A
 BLUE RIDGE PAPER PRODUCTS, INC.



 TIME *****

WETLAND PERMIT IMPACT SUMMARY

| Site No. | Station (From/To) | Structure Size / Type | WETLAND IMPACTS | | | | | SURFACE WATER IMPACTS | | | | |
|----------------|-------------------------|---------------------------------------|---------------------------------|-----------------------------|-----------------------------|--------------------------------------|--------------------------------|---------------------------|-----------------------|---|-------------------------------------|----------------------------|
| | | | Permanent Fill In Wetlands (ac) | Temp. Fill In Wetlands (ac) | Excavation in Wetlands (ac) | Mechanized Clearing in Wetlands (ac) | Hand Clearing in Wetlands (ac) | Permanent SW impacts (ac) | Temp. SW impacts (ac) | Existing Channel Impacts Permanent (ft) | Existing Channel Impacts Temp. (ft) | Natural Stream Design (ft) |
| I | 14+25 -L- | Stream Relocation 2 @ 6' X 6' RCBC | 0.01 | | | | | 0.01 | | 100 | | |
| | | | | | | | | <0.01 | 0.01 | 30 | 59 | |
| II | 24+21.5 -L- | 1 @ 6' X 6' RCBC | 0.02 | | | | | 0.01 | <0.01 | 90 | 19 | |
| | | Bank Stabilization | | | | | | | | 17 | | |
| III | 84+01.6 -L- | EXTEND 2 @ 10' X 12' RCBC | 0.04 | | | | | 0.01 | 0.01 | 19 | 17 | |
| | | Bank Stabilization | | | | | | | | 7 | | |
| IV | EXISTING BRIDGE REMOVAL | Temporary Work Pads | | | | | | | 0.01 | | 64 | |
| TOTALS: | | | 0.07 | | | | 0.02 | 0.03 | 0.03 | 263 | 159 | |

NOTE: <0.01 ac. Temporary Fill in Wetlands in the Hand Clearing areas for erosion control measures

NC DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

HAYWOOD COUNTY
WBS - 35022.1.1 (U-4412)